

FIG. 1

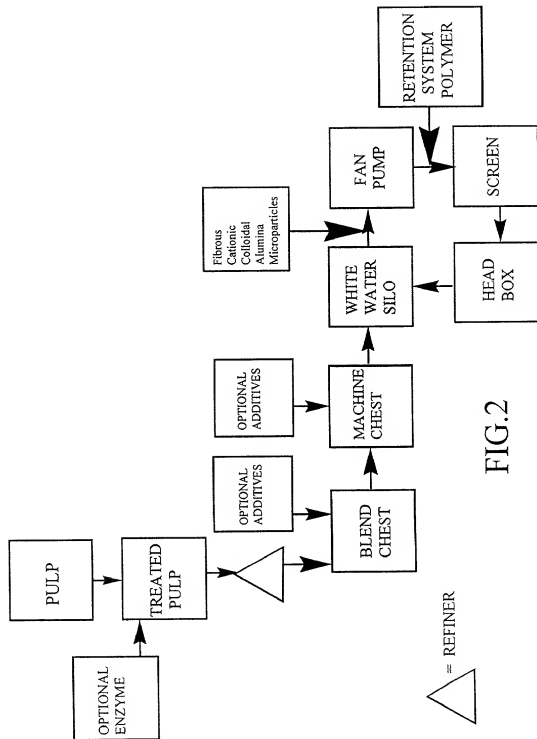


FIG. 2

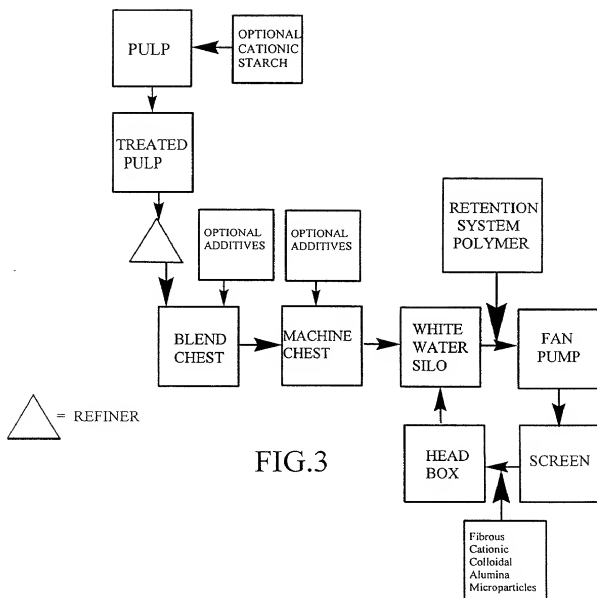


FIG.3

Newsprint - Turbidity

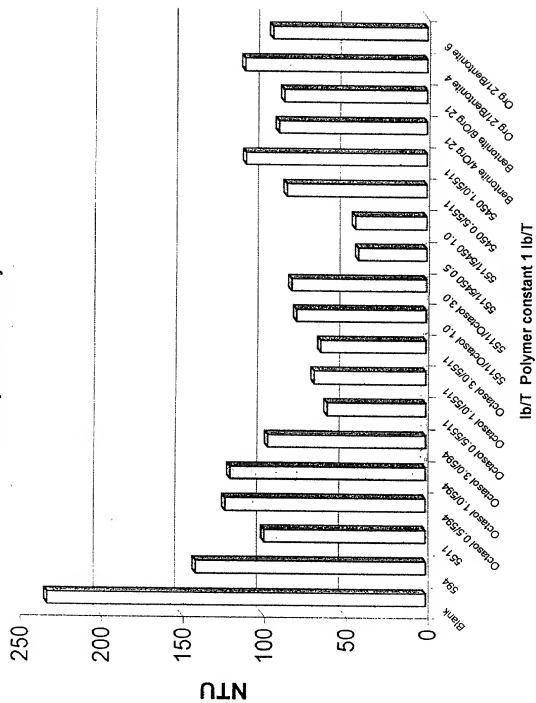


FIG. 4

Drainage

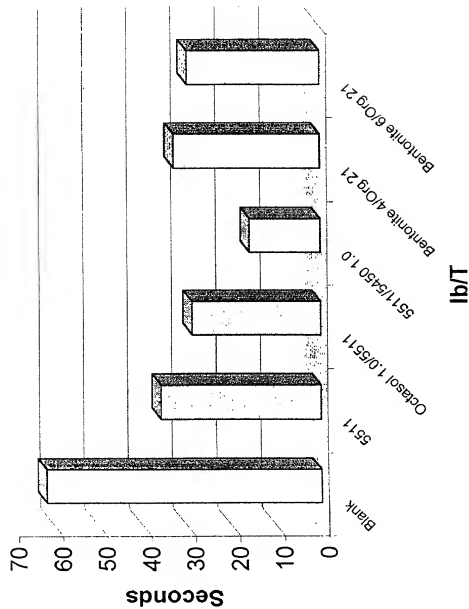


FIG. 6

Comparison against dual component system

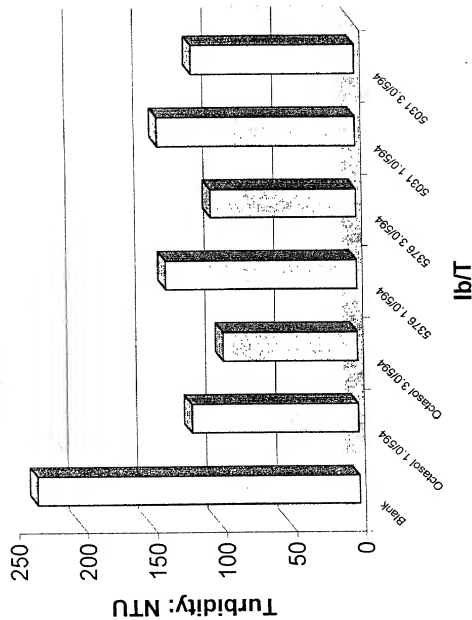


FIG. 7

Comparison against dual component system

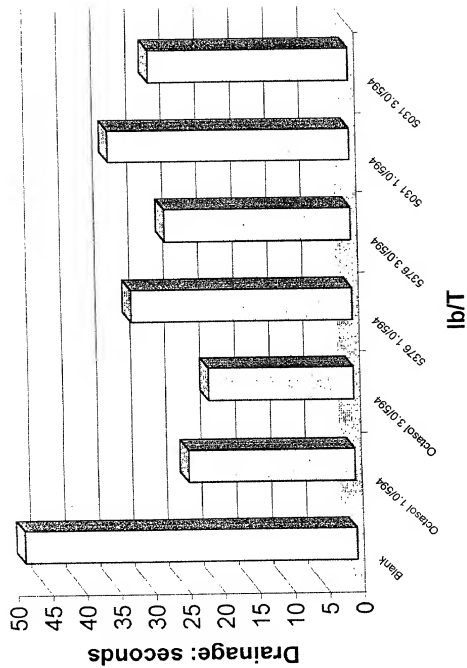


FIG. 8

20% Hard whites
40% manifold white ledger
40% hogged (tabloid news)
cationic demand - 0.6 meq/l
pH - 7.9

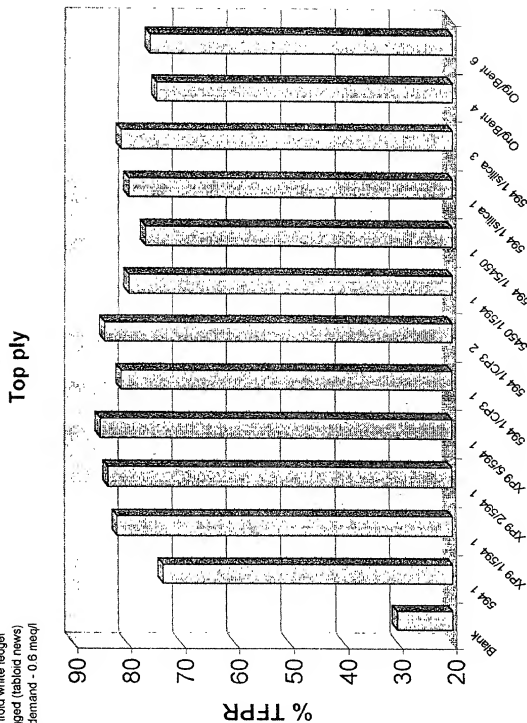


FIG. 9

30% Corrugated
60% box
10% ONP
pH - 7.4
Cationic demand - .4 meq/L

Filler ply

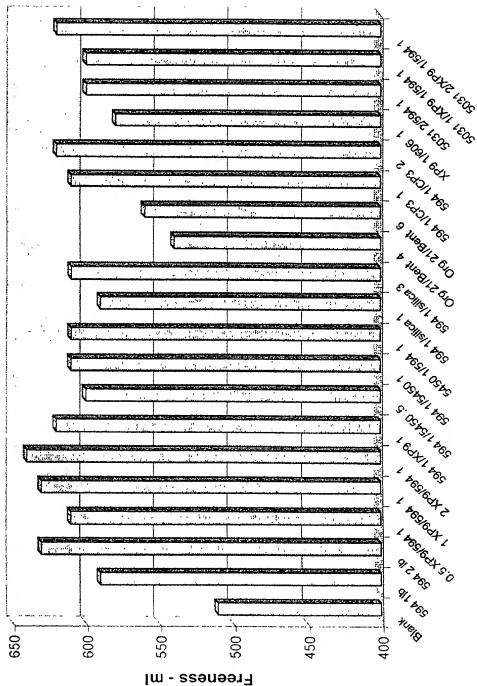


FIG. 11

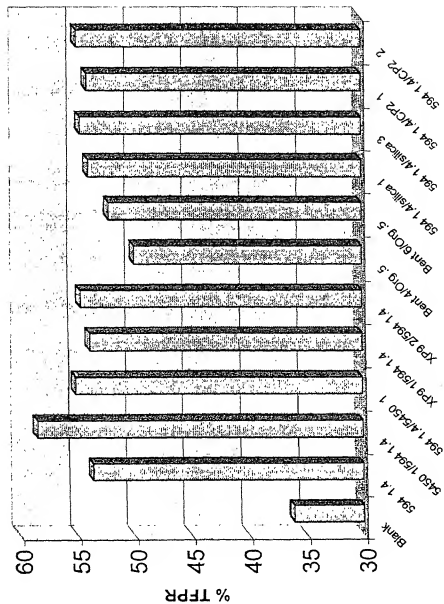
Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	

100% ONP

pH-7.85

Cationic demand- .55 meq/L

Back ply



15.5% Kraft blend
36.8% MgO HWD
38.9% Fir
8.8% Broke
Conductivity: 1046
pH - 8.6
ASA - 2.1 lb/T
PCC - 280 lb/T

TFPR:

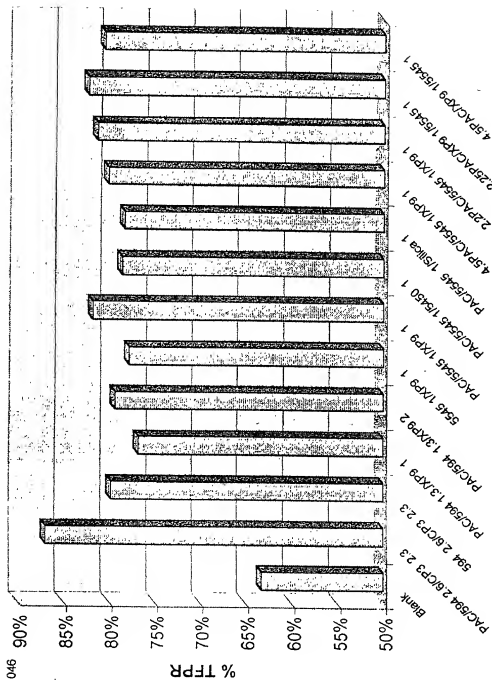


FIG. 13

TFPR:

15.5% Kraft Blend
36.8% MgO HWD
38.9% Fir
8.8% Broke
PCC - 280 lb/T
ASA - 2.1 lb/T
Conductivity 1005
pH - 8.3

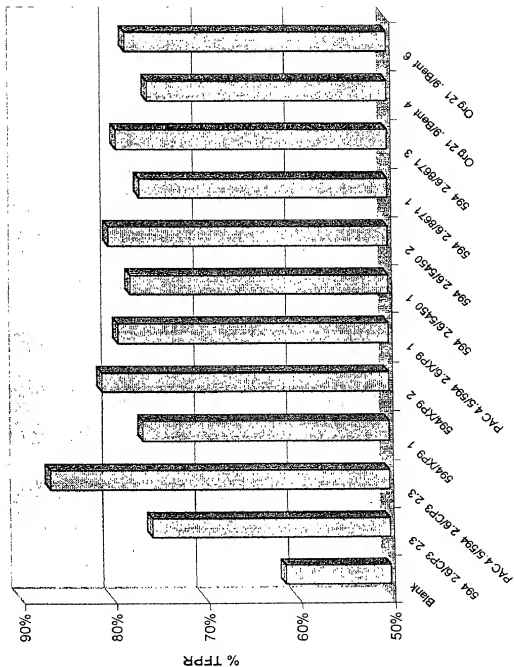


FIG. 15

FPAR:

15.5% Kraft Blend
36.8% MgO HWD
38.9% Fir
8.8% Broke
PCC - 280 lb/T
ASA - 2.1 lb/T
Conductivity 1005
pH - 8.3

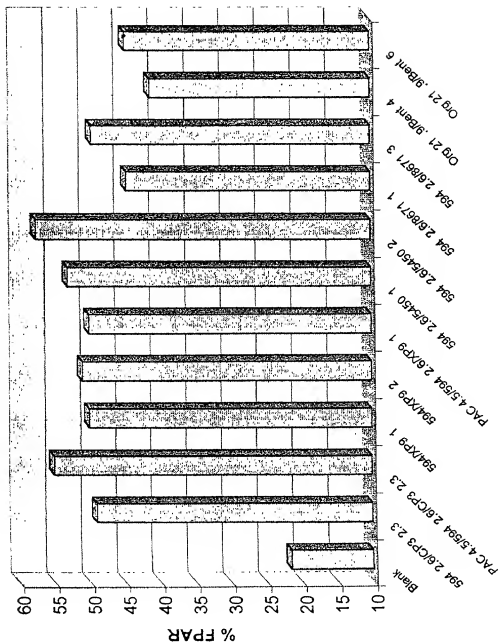


FIG. 16

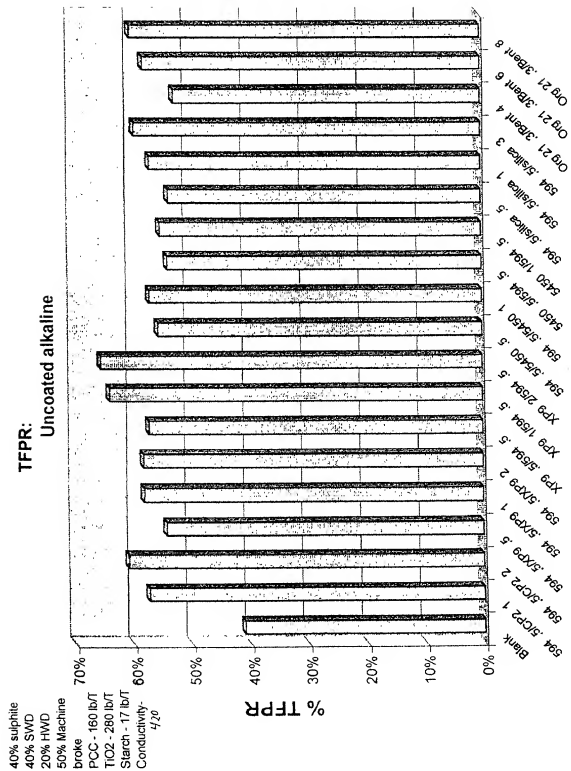
[illegible]

FIG. 17

Country	Year	Population (millions)	Urban population (millions)	Urban population (%)	Population density (per sq km)
Algeria	1980	10.0	4.0	40.0	100
Algeria	1985	10.5	4.5	42.9	105
Algeria	1990	11.0	5.0	45.5	110
Algeria	1995	11.5	5.5	47.8	115
Algeria	2000	12.0	6.0	50.0	120
Algeria	2005	12.5	6.5	52.0	125
Algeria	2010	13.0	7.0	53.8	130
Algeria	2015	13.5	7.5	55.6	135
Algeria	2020	14.0	8.0	57.1	140
Algeria	2025	14.5	8.5	58.6	145
Algeria	2030	15.0	9.0	60.0	150
Algeria	2035	15.5	9.5	61.3	155
Algeria	2040	16.0	10.0	62.5	160
Algeria	2045	16.5	10.5	63.6	165
Algeria	2050	17.0	11.0	64.7	170
Algeria	2055	17.5	11.5	65.7	175
Algeria	2060	18.0	12.0	66.7	180
Algeria	2065	18.5	12.5	67.6	185
Algeria	2070	19.0	13.0	68.4	190
Algeria	2075	19.5	13.5	69.2	195
Algeria	2080	20.0	14.0	70.0	200
Algeria	2085	20.5	14.5	70.7	205
Algeria	2090	21.0	15.0	71.4	210
Algeria	2095	21.5	15.5	72.1	215
Algeria	2100	22.0	16.0	72.7	220
Algeria	2105	22.5	16.5	73.3	225
Algeria	2110	23.0	17.0	73.9	230
Algeria	2115	23.5	17.5	74.5	235
Algeria	2120	24.0	18.0	75.0	240
Algeria	2125	24.5	18.5	75.5	245
Algeria	2130	25.0	19.0	76.0	250
Algeria	2135	25.5	19.5	76.5	255
Algeria	2140	26.0	20.0	76.9	260
Algeria	2145	26.5	20.5	77.3	265
Algeria	2150	27.0	21.0	77.8	270
Algeria	2155	27.5	21.5	78.2	275
Algeria	2160	28.0	22.0	78.6	280
Algeria	2165	28.5	22.5	79.0	285
Algeria	2170	29.0	23.0	79.3	290
Algeria	2175	29.5	23.5	79.7	295
Algeria	2180	30.0	24.0	80.0	300
Algeria	2185	30.5	24.5	80.3	305
Algeria	2190	31.0	25.0	80.6	310
Algeria	2195	31.5	25.5	81.0	315
Algeria	2200	32.0	26.0	81.3	320
Algeria	2205	32.5	26.5	81.6	325
Algeria	2210	33.0	27.0	81.8	330
Algeria	2215	33.5	27.5	82.1	335
Algeria	2220	34.0	28.0	82.4	340
Algeria	2225	34.5	28.5	82.6	345
Algeria	2230	35.0	29.0	82.9	350
Algeria	2235	35.5	29.5	83.1	355
Algeria	2240	36.0	30.0	83.3	360
Algeria	2245	36.5	30.5	83.6	365
Algeria	2250	37.0	31.0	83.8	370
Algeria	2255	37.5	31.5	84.0	375
Algeria	2260	38.0	32.0	84.2	380
Algeria	2265	38.5	32.5	84.4	385
Algeria	2270	39.0	33.0	84.6	390
Algeria	2275	39.5	33.5	84.8	395
Algeria	2280	40.0	34.0	85.0	400
Algeria	2285	40.5	34.5	85.2	405

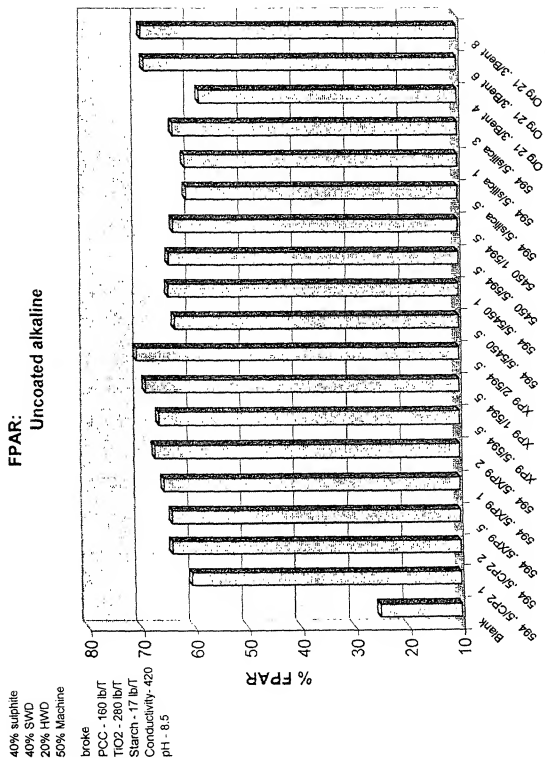


FIG. 18

40% GWD
47% Sulphite
13% SWD
15% Machine broke
20% Coated broke
Filler - 15lb/t
Starch - 25 lb/t
Alum - 6 lb/t
Conductivity - 1700
pH - 6.2
Charge - .085 meq/lb

FPAR:
Catalog - coated acid

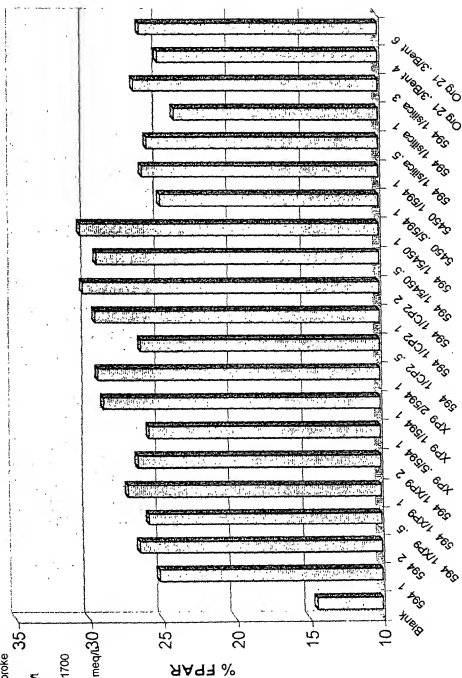


FIG. 20

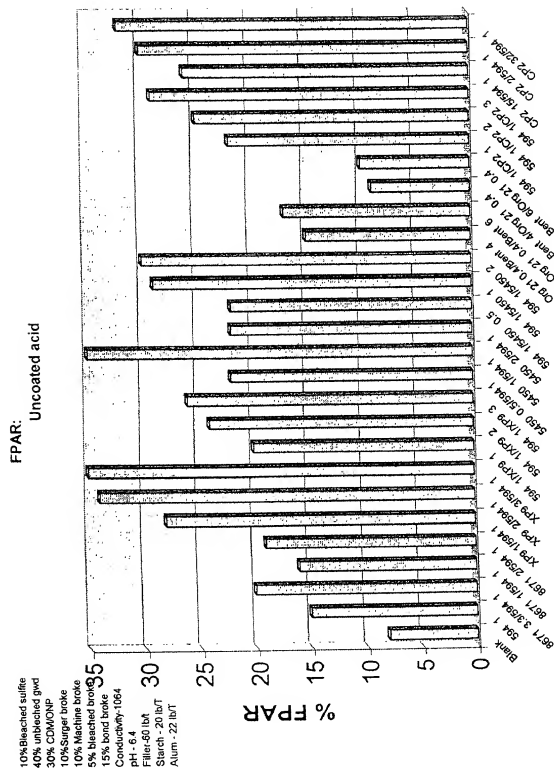
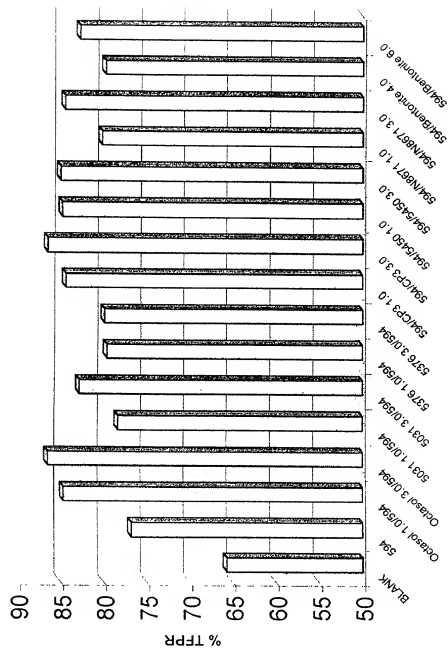


FIG. 23

Alkaline Fine Furnish



PAM constant @ 1 lb/T

FIG. 24

Octasol testing: TFPR

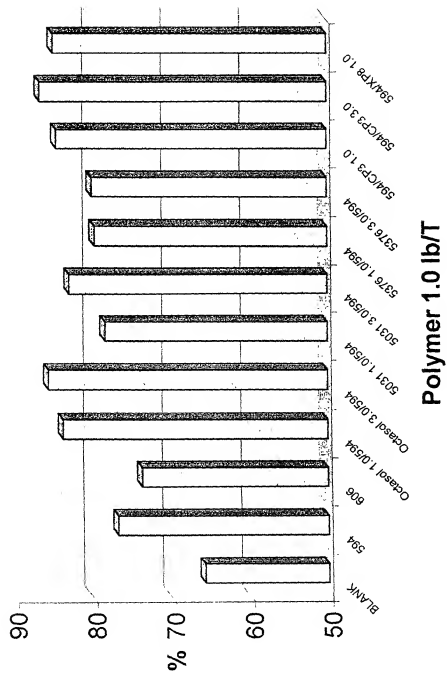


FIG. 25

Octasol testing: Drainage 400 ml

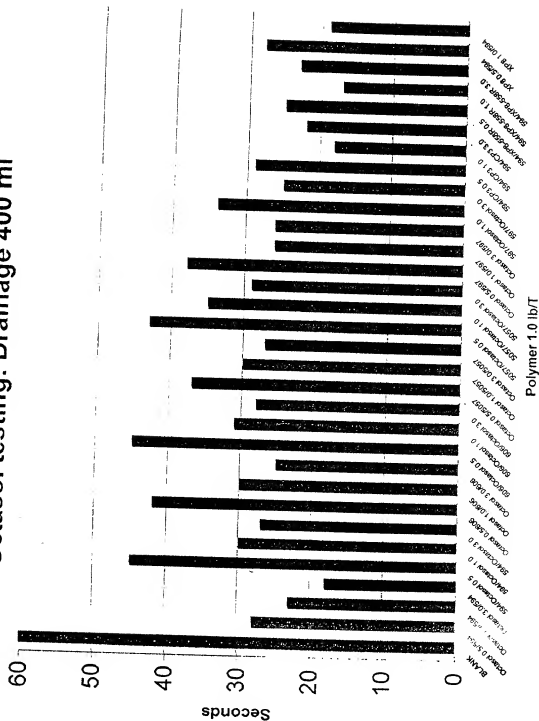


FIG. 26